STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/532,386_

Source: _PU/10_

Date Processed by STIC: _4/29/05_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE <u>CHECKER</u> <u>**VERSION 4.2.2 PROGRAM**</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
    http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/532,386

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ____ Wrapped Nucleics Wrapped Aminos
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

·2 ____ Invalid Line Length
The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 ____ Misaligned Amino Numbering
The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 ____ Non-ASCII
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 ____ Variable Length
Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 ____ PatentIn 2.0 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 ____ Skipped Sequences (OLD RULES)
Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 ____ Skipped Sequences (NEW RULES)
Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 ____ Use of n's or Xaa's (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 ____ Invalid <213> Response
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 ____ Use of <220>
Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 ____ PatentIn 2.0 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 ____ Misuse of n/Xaa
"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

PCT

RAW SEQUENCE LISTING   DATE: 04/29/2005
PATENT APPLICATION: US/10/532,386   TIME: 17:08:36

Input Set : A:\PZ0282.ST25.txt
Output Set: N:\CRF4\04292005\J532386.raw

```
 3 <110> APPLICANT: Brauers, Georg
 4         Farrar, Gillian
 5         Barnett, David Jonathan
 6         Wadsworth, Harry John
 7         Lewis, Joanne Sarah
 9 <120> TITLE OF INVENTION: Improved Complex Compositions
11 <130> FILE REFERENCE: PZ0282
13 <140> CURRENT APPLICATION NUMBER: US/10/532,386
13 <141> CURRENT FILING DATE: 2005-04-21
13 <150> PRIOR APPLICATION NUMBER: PCT/GB2003/004573
14 <151> PRIOR FILING DATE: 2003-10-24
16 <160> NUMBER OF SEQ ID NOS: 13
18 <170> SOFTWARE: PatentIn version 3.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 5
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Peptide
28 <400> SEQUENCE: 1
30 Tyr Ile Gly Ser Arg
31 1               5
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 5
36 <212> TYPE: PRT
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Peptide
42 <400> SEQUENCE: 2
44 Pro Asp Ser Gly Arg
45 1               5
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 5
50 <212> TYPE: PRT
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Peptide
56 <400> SEQUENCE: 3
58 Ile Lys Val Ala Val
59 1               5
62 <210> SEQ ID NO: 4
63 <211> LENGTH: 3
64 <212> TYPE: PRT
```

[handwritten annotations: "pp 1-3", "Does Not Comply Corrected Diskette Needed", "insufficient explanation for Artificial Sequence (give source of genetic material) see item 11 on Error Summary Sheet", "same error"]

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```
 65 <213> ORGANISM: Artificial Sequence
 67 <220> FEATURE:
 68 <223> OTHER INFORMATION: Peptide
 70 <400> SEQUENCE: 4
 72 Leu Arg Glu
 73 1
 76 <210> SEQ ID NO: 5
 77 <211> LENGTH: 15
 78 <212> TYPE: PRT
 79 <213> ORGANISM: Artificial Sequence
 81 <220> FEATURE:
 82 <223> OTHER INFORMATION: Peptide
 84 <400> SEQUENCE: 5
 86 Lys Cys Gln Ala Gly Thr Phe Ala Leu Arg Gly Asp Pro Gln Gly
 87 1               5                   10                  15
 90 <210> SEQ ID NO: 6
 91 <211> LENGTH: 14
 92 <212> TYPE: PRT
 93 <213> ORGANISM: Artificial Sequence
 95 <220> FEATURE:
 96 <223> OTHER INFORMATION: Peptide
 98 <400> SEQUENCE: 6
100 Asn Gln Glu Gln Val Ser Pro Leu Thr Leu Thr Leu Leu Lys
101 1               5                   10
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 15
106 <212> TYPE: PRT
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Peptide
112 <400> SEQUENCE: 7
114 Asn Gln Glu Gln Val Ser Pro Leu Thr Leu Thr Leu Leu Lys Gly
115 1               5                   10                  15
118 <210> SEQ ID NO: 8
119 <211> LENGTH: 15
120 <212> TYPE: PRT
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Peptide
126 <400> SEQUENCE: 8
128 Asn Gln Glu Ala Val Ser Pro Leu Thr Leu Thr Leu Leu Lys Gly
129 1               5                   10                  15
132 <210> SEQ ID NO: 9
133 <211> LENGTH: 6
134 <212> TYPE: PRT
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Peptide
140 <400> SEQUENCE: 9
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/532,386

DATE: 04/29/2005
TIME: 17:08:36

Input Set : **A:\PZ0282.ST25.txt**
Output Set: **N:\CRF4\04292005\J532386.raw**

```
142 Asn Gln Glu Gln Val Gly
143 1               5
146 <210> SEQ ID NO: 10
147 <211> LENGTH: 10
148 <212> TYPE: PRT
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Peptide
154 <400> SEQUENCE: 10
156 Leu Gly Pro Gly Gln Ser Lys Val Ile Gly
157 1               5               10
160 <210> SEQ ID NO: 11
161 <211> LENGTH: 4
162 <212> TYPE: PRT
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Peptide
168 <400> SEQUENCE: 11
170 Asn Gln Glu Gln
171 1
174 <210> SEQ ID NO: 12
175 <211> LENGTH: 13
176 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Peptide
182 <220> FEATURE:
183 <221> NAME/KEY: MISC_FEATURE
184 <222> LOCATION: (8)..(8)
185 <223> OTHER INFORMATION: Xaa is Tyr or I-Tyr (ie. iodo-tyrosine)
188 <400> SEQUENCE: 12
190 Asn Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Lys Gly
191 1               5               10
194 <210> SEQ ID NO: 13
195 <211> LENGTH: 13
196 <212> TYPE: PRT
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Peptide
202 <400> SEQUENCE: 13
204 Asn Gln Glu Gln Val Ser Pro Tyr Thr Leu Leu Lys Gly
205 1               5               10
```

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Input Set : **A:\PZ0282.ST25.txt**
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<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:12; Xaa Pos. 8

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/532,386**

DATE: 04/29/2005
TIME: 17:08:37

Input Set : **A:\PZ0282.ST25.txt**
Output Set: **N:\CRF4\04292005\J532386.raw**

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0